IN THE CLAIMS:

Please add new claims 25-48 as shown below. This listing of claims will replace all prior versions, and listings, of claims in the present application:

1. (Original) A method of transmitting executable software from a server to a client computer, the method comprising:

segmenting each of a plurality of applications into a collection of executable blocks; forming an InitBlock Bundle comprising blocks executable during initialization of the plurality of applications, at least one block from each application being included in the InitBlock Bundle;

sending the InitBlock Bundle to a client computer; and sending other blocks from the plurality of collections of executable blocks to the client computer subsequent to a start of execution of the InitBlock Bundle.

2. (Original) The method of claim 1 wherein:

the plurality of applications comprise at least one application subscribed to by a user and at least one application not subscribed to by the user; and the method further comprises:

monitoring execution of applications subscribed to by the user to determine an application usage pattern; and

based on the usage pattern, sending data to the client terminal to display information about a first one of the unsubscribed applications.

3. (Original) The method of claim 2 wherein:

the data to display information about one of the unsubscribed applications comprises an offer to subscribe to the first one of the unsubscribed applications.

4. (Original) The method of claim 3 further comprising:

in response to the offer to subscribe, receiving data at the server indicating acceptance of the offer; and

sending data to the client terminal to enable execution of the first one of the unsubscribed applications by the user.

5. (Original) The method of claim 4 wherein:

the InitBlock Bundle comprises access control data; and

sending data to enable execution comprises sending changed access control data from the server to the client computer.

- 6. (Original) The method of claim 5 wherein sending the changed access control data comprises automatically sending in response to a subscription request received at the server from the client computer.
- 7. (Original) The method of claim 5 wherein the access control data comprises an encryption key enabling access to blocks of subscribed-to applications.
- 8. (Original) The method of claim 1 further comprising:

from each of a plurality of service providers, sending to a client terminal an InitBlock

Bundle comprising a plurality of initialization blocks;

monitoring execution of blocks in each of said InitBlock Bundles to determine a usage pattern; and

- 9. (Original) The method of claim 8 wherein the new InitBlock Bundle comprises executable blocks associated with applications from different ones of the service providers.
- 10. (Original) The method of claim 1 wherein at least one of the blocks in the InitBlock
 Bundle is a shared block executable during the initialization phase of different ones of
 the applications.
- 11. (Original) The method of claim 1 wherein the InitBlock Bundle comprises a set of blocks sufficient to enable execution of each of the plurality of applications to a point when the application awaits user input.
- 12. (Original) The method of claim 1 wherein forming the InitBlock Bundle comprises: monitoring usage of a plurality of different applications; and wherein forming the initialization block comprises forming based on the monitored usage.
- 13. (Original) The method of claim 1 further comprising: sending from the server to the client a plurality of key values, the key values identifying ones of the collection of collections of executable blocks; receiving a response at the server from the client indicating blocks identified by the key values that are already stored at the client; and wherein sending the InitBlock Bundle comprises omitting blocks stored already stored at the client.

14. (Original) A method of streaming data from a server to a client computer, the method comprising:

sending from a server to a client a key value identifying a streamable block; receiving a response at the server from the client indicating whether the client has a locally stored copy of the block; and

sending the block to the client if the client does not have a locally stored copy.

15. (Original) The method of claim 14 wherein:

sending a key value further comprises sending a group of other key values identifying other streamable blocks;

receiving a response further comprises receiving a response indicating whether the client has locally stored copies of ones of the other blocks; and sending the block further comprises sending ones of the other blocks that are not locally stored at the client.

- 16. (Original) The method of claim 15 further comprising: at the client, storing first data associating key values with locally stored blocks; and processing the first data to determine whether the client has a locally stored copy of a block identified by the received key value.
- 17. (Original) The method of claim 14 wherein the key value is computed at the server using a hashing algorithm.
- 18. (Original) The method of claim 17 wherein the hashing algorithm comprises a digital signature algorithm.

- 19. (Original) A computer system comprising:
- a database storing a plurality of executable applications segmented into a plurality of code blocks, each application's plurality of code blocks comprising a set of initialization code blocks;
- a processor operatively coupled to a network interface, to the database and to a computer readable data storage media comprising instructions to configure the processor to:
- form an initialization block comprising initialization code blocks for at least two of the plurality of applications; and
- send the initialization block to a client computer operatively coupled to the network interface.
- 20. (Original) The system of claim 19 wherein the data storage media further comprises instructions to configure the processor to:
- monitoring execution of initialization code blocks at the client computer to determine a usage pattern; and

forming a new InitBlock Bundle based on the usage pattern.

- 21. (Original) The system of claim 19 wherein:
- the system further comprises a database comprising a plurality of user profiles, each user profile comprising security data to control usage of ones of the plurality of applications by a respective user;
- the data storage media further comprises instructions to query the database of user profiles to access security data associated with a first user;

instructions to process the security data to determine application restriction data associated with the first user; and

instructions to send the application restriction data to the first client computer.

- 22. (Original) The system of claim 21 wherein the application restriction data comprises further comprises data preventing user access to the unsubscribed second application.
- 23. (Original) A computer readable data storage apparatus storing instructions for configuring a computer to:

send to a client terminal a key value identifying a streamable block;

receive a response from the client terminal indicating whether the client terminal has a locally stored copy of the block; and

send the block to the client terminal if the client does not have a locally stored copy.

24. (Original) The apparatus of claim 23 wherein:

the instructions to send a key value further comprises instructions to simultaneously send a group of other key values identifying other streamable blocks;

the instructions to receive a response further comprises instructions to receive a response indicating whether the client terminal has locally stored copies of ones of the other blocks; and

the instructions to send the block further comprises instructions to send ones of the other blocks that are not locally stored at the client.

25. (New) A method comprising:

dividing at least a portion of a software application into blocks;

packaging the blocks into a repository from which the blocks can be individually extracted; and

generating an application package that includes at least the repository, the application package for use by a streaming server to stream the software application to a client.

- 26. (New) The method of claim 25, further comprising compressing each block prior to said packaging.
- 27. (New) The method of claim 25 wherein each block has a size equal to a code page size used during file reads by an operating system expected to be present on a system executing the software application.
- 28. (New) The method of claim 25, wherein the block size is four kilobytes.
- 29. (New) The method of claim 25, further comprising: generating an index to the repository; and including the index in the application package.
- 30. (New) The method of claim 25, wherein the application has a file structure, the method further comprising including a specification of the file structure of the application in the application package.

- 31. (New) The method of claim 25, wherein the repository is configured to permit access to blocks with reference to a source application file and an offset in the source application file.
- 32. (New) The method of claim 25, further comprising:

determining environmental changes introduced to a computer system by installation of the software application on the computer system; and

providing an environmental install package comprising data indicating the determined environmental changes for distribution.

- 33. (New) The method of claim 32, wherein said providing the environmental install package comprises including the environmental install package in the application package.
- 34. (New) The method of claim 25, further comprising:

determining a startup set comprising at least a minimal set of blocks sufficient for execution of the software application to be initiated; and providing a startup streamlet set for distribution.

- 35. (New) The method of claim 34, wherein said providing the startup set comprises including the startup streamlet set in the application package.
- 36. (New) The method of claim 34, wherein said determining the startup set comprises:

executing the software application;

monitoring file block load requests at least until a designated startup point has been reached by the software application; and

identifying file blocks which were loaded prior to reaching the startup point.

- 37. (New) The method of claim 36, wherein the startup point comprises a point at which the application waits for user input.
- 38. (New) The method of claim 25, further comprising:

generating a predictive model for use in determining likely blocks to be loaded by the application when in a given state; and

providing the predictive model for distribution.



- 39. (New) The method of claim 38, wherein said providing the predictive model comprises including the predictive model in the application package.
- 40. (New) A method comprising:

determining a file structure of a software application;

dividing a file of the software application into blocks;

packaging the blocks into a repository from which the blocks can be individually extracted; and

creating an application package which includes the repository and a specification of the file structure, the application package for use by a streaming server to stream the software application to a target system.

- 41. (New) The method of claim 40 wherein each of the blocks has a size equal to a code page size used during file reads by an operating system expected to be present on a system executing the application.
- 42. (New) The method of claim 40, wherein the repository is configured to permit access to blocks with reference to a source application file and an offset in the source application file.
- 43. (New) The method of claim 40, further comprising:

determining environmental changes introduced to a computer system by installation of the software application on the computer system;

providing an environmental install package comprising data indicating the determined environmental changes for distribution; and

including the environmental install package in the application package.

44. (New) The method of claim 40, further comprising:

determining at least a minimal set of blocks sufficient for execution of the software application to be initiated; and

including said minimal set of blocks as a startup streamlet set in the application package.

45. (New) The method of claim 44, wherein said determining at least a minimal set of blocks sufficient for execution of the application to be initiated comprises:

executing the application;

monitoring file block load requests at least until a designated startup point has been reached by the application; and

identifying file blocks which were loaded prior to reaching the startup point.

- 46. (New) The method of claim 45, wherein the startup point comprises a point when the application waits for user input.
- 47. (New) The method of claim 40, further comprising:

generating a predictive model for use in determining likely blocks to be loaded by the application when in a given state; and providing the predictive model for distribution.

48. (New) The method of claim 47, wherein said providing the predictive model comprises including the predictive model in the application package.